

Extract from JP 10-190796 A Mobile Phone Housing Case

0017 In addition, case foundation fabric hinge part 5 of case foundation fabric 1, which covers the outer side of hinge device A3 of mobile phone A, is made of elastic material such as synthetic rubber. With mobile phone A in the closed state, tension pulling outwards is applied to speaker stowage side region A1 and to microphone stowage side region A2 because of the said foundation fabric hinge part 5 elastic member.

0018 For regions such as the display indication part, operating buttons, microphone, speaker, antenna and suspending band, which are provided on mobile phone A, it is optional either to make case foundation fabric 1, speaker side housing part 3 and microphone side housing part 4 transparent members, to expose them or make them accessible by making openings or simply to leave them exposed.

0019 In addition to this, the next practical embodiment shown in Fig.3 is an ideal one for mobile phone A, where the operating buttons which execute the various operations are positioned in speaker stowage side region A1 and it is provided with stowage side region A2 for the microphone, an ultra-thin plate body, via hinge device A1. Case foundation fabric 1 extends to the outer side of speaker stowage side region A1 and its cross section shape is 3 sides of a square (ㄗ). Speaker side housing part 3 forms opening part 3a on the upper part on the hinge part A3 side where case foundation fabric 1 stands up on 3 sides and is formed into a bag shape by a means such as glueing, welding or sewing. Microphone side housing part 4 is formed into facing bag shape opening part 4a in the same way as in the practical embodiment described above.

0020 Now, case foundation fabric hinge part 5 of case foundation fabric 1 that covers the outside of hinge device A3 of mobile phone A between speaker side housing part 3 and microphone side housing part 4 is formed of an elastic member. Through the

elasticity of case foundation fabric hinge part 5, tension is applied that pulls speaker stowage side region A1 and microphone stowage side region A2 outwards.

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Effect of the Invention

By being configured as described above, this invention makes it possible to put a mobile phone such as a cell phone into its housing case or take it out. Also, the speaker stowage side region and the microphone stowage side region are pulled outwards via the hinge device simply by releasing the fastener and automatically open on account of the tension in the case foundation fabric hinge elastic member and operation is fully possible with one hand. Furthermore, because the case foundation fabric hinge part is made of an elastic member, there is no gap at all between the housing case and the mobile phone whether it is in the open state or the closed state. There is no feeling of bagginess and superfluous parts of the case foundation fabric are eliminated. The invention is economical and highly useful.